

USSN: 09/390,846
Attorney Docket: I-1995.150 US D1
Response to Office Action of April 29, 2005

Amendments to the Claims:

1. (Previously presented): Currently Amended) A protein expressed *in vitro*, comprising:

an isolated and purified protein found intracellularly in *Eimeria* and is represented by having a molecular weight of about 37kD and comprising the amino acid sequence shown in SEQ ID NO:2.

2. (Previously presented): The protein according to claim 1, wherein the *Eimeria* species is *Eimeria acervulina*.

Claims 3-10 (Canceled).

11. (Currently amended): A vaccine for the protection of poultry against Coccidiosis comprising:

an immunologically effective amount of an isolated and purified protein according to claim 1 comprising the amino acid sequence of Seq. ID NO:2 and a pharmaceutically acceptable carrier.

12. (Canceled).

13. (Currently amended): A process for the preparation of a coccidiosis vaccine, comprising:

~~formulating a protein according to claim 1 into a pharmaceutical preparation with immunizing activity~~ transforming a host cell with a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:2, expressing the amino acid sequence, isolating the nucleic acid sequence, and combining the nucleic acid sequence with a pharmaceutically acceptable carrier.

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Claims 14-18 (Canceled).

19. (Currently amended): The vaccine of claim 11, wherein the protein is ~~present in pure form~~ has a molecular weight of about 37kD.

20. (Currently amended): The vaccine of claim 11, further comprising ~~a pharmaceutically acceptable carrier~~ an adjuvant.

Claims 21-26 (Canceled).